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PHOTOGRAPHIC INTERPRETATION REPORT



VITAL RECORDS COPY GLASS LAMP MISSION G-919 24 OCTOBER 1966

Declass Review By NIMA/DOD

NPIC/R-366/66
OCTOBER 1966

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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W A R N I N G

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GL MISSION G-919 24 OCT 66

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-919, 24 OCT 66. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--
C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), O (OBLIQUITY), AND GR (GROUND RESOLUTION).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS SIGNIFIED BY ST (STEREO), NS (NONSTEREO), OR PS (PARTIAL STEREO).

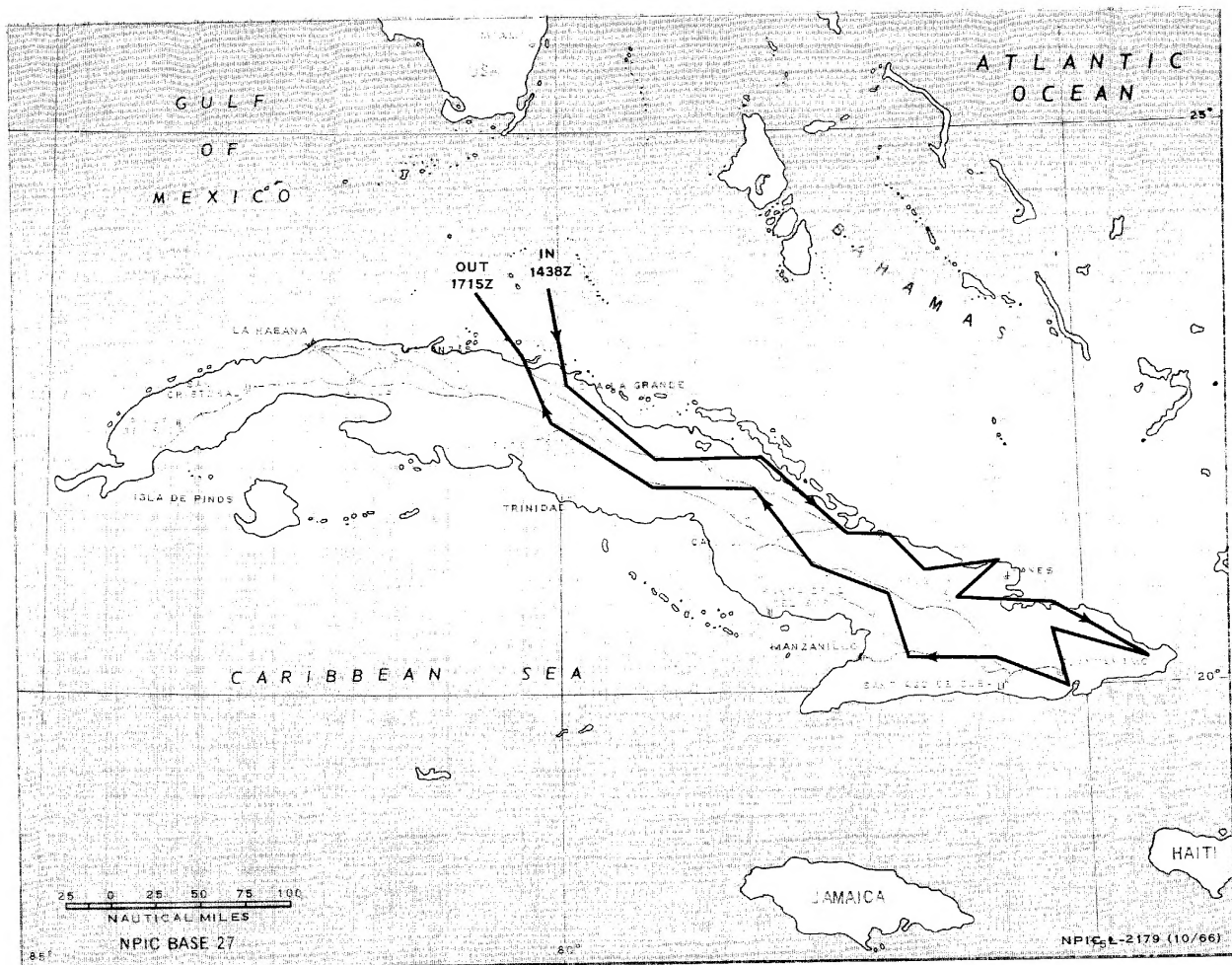
AAA DEFENSES ARE DIVIDED INTO THREE BASIC CATEGORIES -- LIGHT (ZPU-2, ZPU-4, AND 37MM), MEDIUM (57MM AND 85MM), AND HEAVY (100MM AND LARGER). WHERE SUCH A CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED (EXAMPLE 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED).

95X1

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APPROXIMATE TRACK OF GLASS LAMP MISSION G-919, 24 OCTOBER 1966

GL MISSION G-919 24 OCT 66

25X1A

MISSILES

HOLGUIN SAM SITE B27-2

CU 2052N 07627W

SITE REMAINS OCCUPIED.
OB -- AT LEAST 8 MISSILE TRANSPORTERS (5 WITH EXPOSED MISSILES).
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
OBLIQUITY LIMITS INTERPRETATION.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

HOLGUIN AIRFIELD SAM SITE

CU 2046N 07619W

OB -- 5 EMPLACED LAUNCHERS (AT LEAST 2 WITH MISSILES), 3 MISSILE TRANSPORTERS, AND AN OCCUPIED CENTRAL GUIDANCE AREA WITH 3 ASSOCIATED VAN TRUCKS OBSERVED IN CLOUD-FREE AREAS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

MALDONADO SAM SITE A18-2

CU 2012N 07528W

OB -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), 6 MISSILE TRANSPORTERS (3 WITH EXPOSED MISSILES), A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, AND 16 TRACKED PRIME MOVERS OBSERVED IN CLOUD-FREE AREAS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

RANCHUELO SAM SITE A33-2

CU 2223N 08010W

PERMANENT SITE UNDER CONSTRUCTION CONSISTS OF A PARTIALLY COMPLETED U-SHAPED CENTRAL GUIDANCE REVETMENT AND A PARTIALLY COMPLETED AND GRADED OUTER SERVICE ROAD.
OB (AT ADJACENT TEMPORARY SITE) -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), 11 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 2 LARGE AND 4 SMALLER ASSOCIATED VAN TRAILERS, 13 PROBABLE TRUCK TRACTORS, AND 3 ADDITIONAL VAN TRAILERS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

GL MISSION G-919 24 OCT 66

25X1D



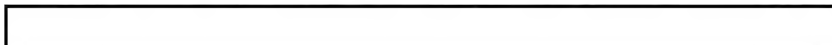
25X1A

SANTA CLARA SAM SITE A34-2

CU 2229N 08000W

PERMANENT SITE REMAINS UNDER CONSTRUCTION.
OB (AT ADJACENT TEMPORARY SITE) -- 6 EMPLACED LAUNCHERS
(3 WITH MISSILES), 2 MISSILE TRANSPORTERS WITH EXPOSED
MISSILES, A FAN SONG RADAR WITH 7 ASSOCIATED VAN
TRAILERS, AND 11 OTHER VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN SUPPORT FACILITIES.

25X1D



SANTIAGO DE CUBA SAM SITE A23-2

CU 1959N 07550W

OB -- 6 EMPLACED LAUNCHERS (AT LEAST 1 WITH MISSILE),
10 MISSILE TRANSPORTERS (AT LEAST 3 CANVAS COVERED),
AND A CENTRAL GUIDANCE RADAR WITH ASSOCIATED EQUIPMENT.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D



SANTIAGO DE CUBA SAM ASSEMBLY AREA

CU 2004N 07553W

OB -- 9 MISSILE TRANSPORTERS AND NUMEROUS MISSILE
CANISTERS OBSERVED.
OBLIQUITY LIMITS INTERPRETATION.

25X1D



SANTA ISABEL DE LAS LAJAS SAM SITE A35-2

CU 2228N 08018W

SITE REMAINS OCCUPIED.
DENSE CLOUD SHADOW PRECLUDES DETAILED INTERPRETATION.

25X1D



PALMA SORIANO SAM SITE A02-2

CU 2015N 07559W

OB -- 6 EMPLACED LAUNCHERS (2 WITH MISSILES), 7 MISSILE
TRANSPORTERS (5 WITH EXPOSED MISSILES), A FAN SONG
RADAR WITH 6 ASSOCIATED VAN TRAILERS, 5 ADDITIONAL VAN
TRAILERS, 3 CARGO TRUCKS, AND 2 VAN TRUCKS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE. SIX OTHER AAA

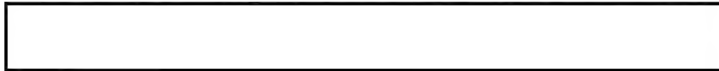
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PIECES OBSERVED ADJACENT TO SUPPORT BUILDINGS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D



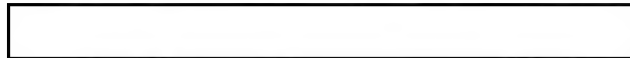
25X1A

LA VEGUITA SAM ASSEMBLY AREA

CU 2049N 07615W

OB -- 1 MISSILE TRANSPORTER, NUMEROUS MISSILE
CANISTERS, 7 FLATBED TRACTOR-TRAILER TRUCKS, 1 TRUCK
TRACTOR, AND 7 CARGO TRUCKS OBSERVED IN CLOUD-FREE
AREAS.
NO APPARENT CHANGE IN FACILITIES.

25X1D



SAN PEDRO DE CACOCUM SAM SITE 1

CU 2047N 07615W

OB -- AT LEAST 3 EMPLACED LAUNCHERS, 9 MISSILE
TRANSPORTERS, AND A PROBABLE CENTRAL GUIDANCE RADAR
WITH 6 ASSOCIATED VAN TRAILERS.
OBLIQUITY LIMITS INTERPRETATION.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D



SAN PEDRO DE CACOCUM SAM SITE 2

CU 2045N 07615W

SITE REMAINS UNDER CONSTRUCTION.
OB -- NONE.

25X1D



LA MAYA SAM SITE

CU 2014N 07540W

SITE REMAINS UNDER CONSTRUCTION.
OB -- NONE.
SUPPORT FACILITIES NOW INCLUDE A DRIVE-THROUGH
MISSILE-HOLD BUNKER UNDER CONSTRUCTION.

25X1D



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GL MISSION G-919 24 OCT 66

25X1A

AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD

CU 2229N 07956W

OB -- AT LEAST 18 FAGOT/FRESCO AND AT LEAST 5 HOUND
OBSERVED IN CLOUD-FREE AREAS.
ACTIVITY -- AT LEAST 8 PROBABLE FAGOT/FRESCO SHIPPING
CRATES REMAIN TO THE REAR OF THE MAIN PARKING APRON.

25X1D



CAMAGUEY INTERNATIONAL AIRFIELD

CU 2125N 07750W

OB -- 1 PROBABLE CRATE, 1 C-46, AND 15 HOUND.

25X1D

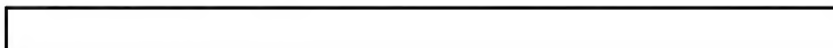


HOLGUIN AIRFIELD

CU 2047N 07618W

OB -- AT LEAST 6 FAGOT/FRESCO AND 1 HOUND OBSERVED IN
CLOUD-FREE AREAS.

25X1D

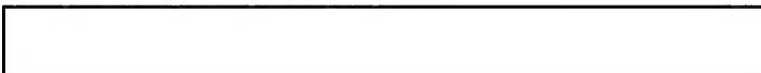


LOS CANOS AIRFIELD

CU 2005N 07509W

OB -- NONE OBSERVED.

25X1D



ANTONIO MACEO AIRFIELD

CU 1958N 07550W

OB -- 1 COOT, 1 C-47, 3 LIAISON, AND 2 HOUND.

25X1D



BAYAMO AIRFIELD EAST

CU 2022N 07637W

OB -- 5 COLT.

25X1D



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25X1A

CAIBARIEN AIRFIELD

CU 2230N 07928W

OB -- NONE OBSERVED.

25X1D

BAYAMO AIRFIELD

CU 2023N 07637W

OB -- NONE OBSERVED.

25X1D

CIEGO DE AVILA AIRFIELD

CU 2150N 07844W

OB -- 1 COLT, 5 LIAISON, 13 LIAISON FUSELAGES, AND 1 HOUND.

25X1D

NAVAL ACTIVITY/PORTS

SANTIAGO DE CUBA NAVAL BASE AND PORT

CU 2001N 07550W

OB -- NONE OBSERVED.

OTHER VESSELS -- 4 LARGE FREIGHTERS AND 2 COASTAL FREIGHTERS OBSERVED IN CLOUD-FREE AREAS.

25X1D

MANZANILLO PORT

CU 2021N 07707W

VESSELS -- NONE OBSERVED.

25X1D

NUEVITAS PORT

CU 2132N 07715W

VESSELS -- 3 LARGE FREIGHTERS.

25X1D

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25X1A

LA ISABELA PORT

CU 2256N 08000W

VESSELS -- NONE OBSERVED.

25X1D

CAIBARIEN PORT

CU 2231N 07928W

VESSELS -- NONE OBSERVED.

25X1D

ELECTRONICS/COMMUNICATIONS

PUNTA MAISI LOW SIEVE RADAR SITE

CU 2014N 07409W

OB -- 1 LOW SIEVE RADAR.

25X1D

PUNTA MULAS SUSPECT LOW SIEVE RADAR SITE

CU 2101N 07535W

OB -- 1 PROBABLE LOW SIEVE RADAR.
FACILITIES INCLUDE 3 SMALL SUPPORT BUILDINGS.

25X1D

MILITARY ACTIVITY

ALTO CEDRO MILITARY CAMP

CU 2029N 07600W

OB -- 27 TANKS/SP GUNS, 15 BTR 60-P, 45 FA PIECES, 6
AAA PIECES, 6 MORTARS, 185 CARGO TRUCKS, 16 VAN TRUCKS,
AND 15 UTILITY TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

DOS CAMINOS MILITARY CAMP

CU 2014N 07547W

OB -- 35 FA PIECES, 24 AAA PIECES, 23 AT-S TRACKED
PRIME MOVERS, 44 CARGO TRUCKS, 3 VAN TRUCKS, AND 7
UTILITY TRUCKS.

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ACTIVITY -- 1 OCCUPIED 3-GUN AAA SITE.
NO APPARENT CHANGE IN FACILITIES.

25X1D



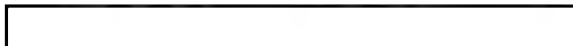
25X1A

GUANTANAMO AREA

CU 2018N 07525W

NO NEW MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.
AREAS 1, 5, 6 AND 9 -- 95 PERCENT USEABLE COVERAGE.
AREA 2 -- 30 PERCENT USEABLE COVERAGE.
AREAS 3 AND 8 -- 50 PERCENT USEABLE COVERAGE.
AREAS 4 AND 7 -- 75 PERCENT USEABLE COVERAGE.

25X1D



HOLGUIN MILITARY CAMP

CU 2053N 07613W

OB (MAIN CAMP) -- AT LEAST 26 FA PIECES AND 38 CARGO
TRUCKS OBSERVED IN CLOUD-FREE AREAS.
OB (CAMP 2.2 NM SE) -- 15 FA PIECES, 19 CARGO TRUCKS, 2
VAN TRUCKS, AND 3 UTILITY TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D



HOLGUIN MILITARY CAMP NW

CU 2057N 07616W

OB -- AT LEAST 19 VEHICLES/PIECES OF EQUIPMENT.
CLOUD SHADOW LIMITS INTERPRETATION.
NO APPARENT CHANGE IN FACILITIES.

25X1D



REMEDIOS MILITARY AREA

CU 2227N 07935W

OB -- 9 TANKS/SP GUNS, 11 FA PIECES, 165 CARGO TRUCKS,
14 VAN TRUCKS, 20 UTILITY TRUCKS, AND 15 OTHER
VEHICLES/PIECES OF EQUIPMENT.
PARTIAL COVERAGE LIMITS INTERPRETATION.

25X1D



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25X1A

CAMAGUEY MILITARY CAMP

CU 2126N 07753W

OB -- NONE OBSERVED IN CLOUD-FREE AREAS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

EL CRISTO MILITARY INSTALLATION

CU 2008N 07547W

MAIN CAMP LOCATED 3.7 NM NW OF EL CRISTO AND 7.4 NM NORTH OF SANTIAGO DE CUBA HAS BEEN RAZED AND WILL NO LONGER BE REPORTED. NO BUILDINGS OR EQUIPMENT REMAIN. CAMP LOCATED 3.6 NM NNW (UTM 18QVT175298, 20-10N 075-47W) CONSISTS OF 4 BARRACKS, 1 LARGE VEHICLE SHED WITH PARKING AREA, AND 6 SUPPORT BUILDINGS. OB -- AT LEAST 10 VEHICLES/PIECES OF EQUIPMENT. (MAP REFERENCE -- AMS SERIES E723, SHEET 5076-III, 3D ED.)

25X1D

OFELIA MILITARY CAMP

CU 2006N 07530W

OB -- 15 TANKS/SP GUNS, 49 FA PIECES, 26 AAA PIECES, 34 MORTARS, 4 TRACKED PRIME MOVERS, 61 CARGO TRUCKS, 2 VAN TRUCKS, 1 TANK TRUCK, AND 6 CARGO TRAILERS. NO APPARENT CHANGE IN FACILITIES.

25X1D

SANTA CLARA MILITARY ACTIVITY

CU 2220N 07957W

OB -- 10 CARGO TRUCKS, 1 VAN TRUCK, AND 2 OTHER VEHICLES/PIECES OF EQUIPMENT. ACTIVITY -- 1 LARGE BUILDING UNDER CONSTRUCTION IN VEHICLE PARKING AREA.

25X1D

SANTA CLARA MILITARY CAMP SOUTH

CU 2222N 07958W

OB -- 3 FLATBED TRACTOR-TRAILER TRUCKS AND 35 CARGO TRUCKS.

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NO APPARENT CHANGE IN FACILITIES.

25X1D



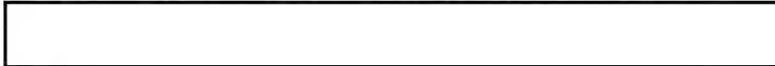
25X1A

LAS MERCEDES VEHICLE PARK

CU 2224N 08001W

OB -- 9 AAA PIECES, 70 CARGO TRUCKS, 4 UTILITY TRUCKS,
2 CARGO TRAILERS, AND 33 OTHER VEHICLES/PIECES OF
EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1D

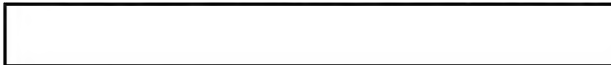


IMIAS LANDING BEACH

CU 2005N 07440W

NO MILITARY ACTIVITY OBSERVED.

25X1D



MOA (PUNTA GORDA) LANDING BEACH

CU 2039N 07453W

OB -- 1 OCCUPIED 3-GUN AAA SITE AT UTM 18QWT065819.
(MAP REFERENCE -- AMS SERIES E723, SHEET 5277-IV, 1ST
ED.)

25X1D



GANUZA LANDING BEACH

CU 2305N 08030W

NO MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1D



MOA (CANANOVA) LANDING BEACH

CU 2039N 07502W

NO MILITARY ACTIVITY OBSERVED.

25X1D



CAYO DE SABINAL LANDING BEACH

CU 2144N 07728W

NO NEW MILITARY ACTIVITY OBSERVED.

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-STATUS OF OTHER TARGETS-

25X1A

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

SANTA CLARA EW/GCI RADAR SITE	2229N 07956W
SANTIAGO DE CUBA EW/GCI RADAR SITE	1959N 07551W
SAGUA LA GRANDE EW/GCI RADAR SITE 2	2248N 08006W
SAN MIGUEL EW/GCI RADAR SITE	2229N 07953W
PUERTO PADRE MILITARY AREA	2111N 07639W
SANTA CLARA ARTILLERY TRAINING AREA	2222N 08000W
SIBONEY LANDING BEACH	1957N 07542W
MAR VERDE LANDING BEACH	1957N 07556W
NICARO LANDING BEACH	2042N 07533W

25X1A

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

CIFUENTES SAM ASSEMBLY AREA	2236N 08005W
SANTIAGO SAM TRAINING AREA	1958N 07551W
HOLGUIN EW/GCI RADAR SITE	2048N 07618W
SANTIAGO DE CUBA EW/GCI RADAR SITE 2	2005N 07551W
LA SOCAPA LOW SIEVE RADAR SITE	1958N 07552W
CUABITAS MILITARY CAMP	2003N 07548W
LA QUINTA MILITARY CAMP	2002N 07551W
MINAS MILITARY CAMP	2127N 07734W
SANTA CLARA MILITARY CAMP CUBANACAN	2224N 07952W
SANTIAGO DE CUBA MILITARY CAMP NW	2003N 07554W
SANTIAGO DE CUBA MILITARY CAMP	2003N 07553W
PLAYA YATERITAS LANDING BEACH	1958N 07457W

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